

Free Software Radio Devroom

Event	Speakers	Start	End			
Sunday						
Intro to the Free Software Radio Track		09:00	09:15			
gr-soapy: A handy SDR hardware interface module for GNU Radio	Nestoras Sdoukos	09:15	09:30			
GNU Radio with a Rusty FPGA Experiment building FPGA accelerated blocks with Rust bindings	Brennan Ashton	09:30	10:00			
Protect your bits: Introduction to gr-fec A look into the error-correction capabilities of GNU Radio	Martin Braun	10:00	10:30			
GNU Radio meets Scapy	Bastian Bloessl	10:30	11:0			
GNU Radio in 2019: Facts and Plans An overview of where GNU Radio is going this fine year	Marcus Müller	11:00	11:45			
libsigmf: Human Tools for Extra-Terrestrial and Al Radios	Ben Hilburn, Nathan West	11:45	12:3			
SDR Makerspace sdrmaker.space	Alexandru Csete	12:30	13:0			
Digital Predistortion Implementation and Use	Derek Kozel	13:00	13:3			
Equinox: A C++11 platform for realtime SDR applications	Manolis Surligas	13:30	14:0			
An End-to-End LTE Testbed in Three Clicks	Andre Puschmann	14:00	14:3			
Spoofing GPS is it really the time we think it is, and are we really where we think we are ?	Jean-Michel Friedt	14:30	15:00			
The Dwingeloo radio telescope goes SDR	Paul Boven	15:00	15:30			
Performing Low-cost Electromagnetic Side-channel Attacks using RTL-SDR and Neural Networks	Pieter Robyns	15:30	16:00			
Decoding Meteor-M2: QPSK, Viterbi, Reed Solomon and JPEG from IQ coefficients to images, analysis of digital weather satellite transmissions	Jean-Michel Friedt	16:00	16:3			
Flushing the Delay Line Closing out the Free Software Radio Devroom		16:30	17:0			

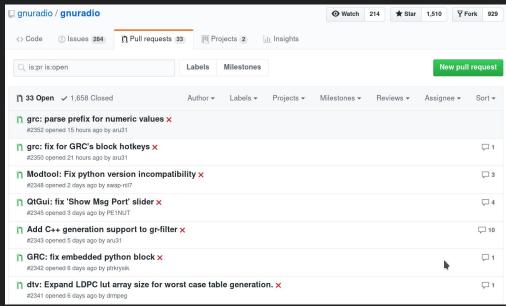
(Free Software SDR) Year in Review

The

GNU Radio

 Organization now has a simple org structure, there's Ben at the top, and a band of merry men as the leadership Team.





GRCon '18

- Biggest conference dedicated fully to open source software radio, yet again!
- Over 300 SDR enthusiasts
- Las Vegas, NV
- All videos are available online
- Publications available online, as well

Summary

- In the last year, the GNU Radio community has continued to grow, and the project has seen a substantial increase in activity and contributions.
- We need to be thinking about how to keep pushing GNU Radio forward, and how to reach sustainable development & maintenance.
- If you want to get involved, contribute, or just chat, please do!





French GNU Radio Days

- Biggest conference dedicated fully to open source software radio, yet again!
- Over 300 SDR enthusiasts
- Las Vegas, NV
- All videos are available online
- Publications available online, as well



EU GNU Radio Days 2019

- Ask JMF
- In Besancon, France



Wireless CTF

- IEEE SB KA
- Defcon
- ...many other places





Devroom Logistics

- We will stick to the schedule! We will not start early, and not finish late.
- The room can only take so many people, so apologies if we have to leave you standing outside
- The last 30 minutes we'll skip talks so we can have a chat (and clean up, and be in time for the closing talks)

Let's get cracking!

E	vent	Speakers	Start	End		
Sunday						
	Intro to the Free Software Radio Track		09:00	09:15		
	gr-soapy: A handy SDR hardware interface module for GNU Radio	Nestoras Sdoukos	09:15	09:30		
	GNU Radio with a Rusty FPGA Experiment building FPGA accelerated blocks with Rust bindings	Brennan Ashton	09:30	10:00		
	Protect your bits: Introduction to gr-fec A look into the error-correction capabilities of GNU Radio	Martin Braun	10:00	10:30		
	GNU Radio meets Scapy	Bastian Bloessl	10:30	11:00		
	GNU Radio in 2019: Facts and Plans An overview of where GNU Radio is going this fine year	Marcus Müller	11:00	11:45		
	libsigmf: Human Tools for Extra-Terrestrial and Al Radios	Ben Hilburn, Nathan West	11:45	12:30		
	SDR Makerspace sdrmaker.space	Alexandru Csete	12:30	13:00		
	Digital Predistortion Implementation and Use	Derek Kozel	13:00	13:30		
	Equinox: A C++11 platform for realtime SDR applications	Manolis Surligas	13:30	14:00		
	An End-to-End LTE Testbed in Three Clicks	Andre Puschmann	14:00	14:30		
	Spoofing GPS is it really the time we think it is, and are we really where we think we are ?	Jean-Michel Friedt	14:30	15:00		
	The Dwingeloo radio telescope goes SDR	Paul Boven	15:00	15:30		
	Performing Low-cost Electromagnetic Side-channel Attacks using RTL-SDR and Neural Networks	Pieter Robyns	15:30	16:00		
	Decoding Meteor-M2: QPSK, Viterbi, Reed Solomon and JPEG from IQ coefficients to images, analysis of digital weather satellite transmissions	Jean-Michel Friedt	16:00	16:30		
	Flushing the Delay Line Closing out the Free Software Radio Devroom		16:30	17:00		